



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

2 Application Serial No..... 09/636,004
3 Filing Date..... Aug 09, 2000
4 Confirmation No. 5417
5 Inventorship.....del Val
6 ApplicantMicrosoft Corporation
Group Art Unit 2141
7 ExaminerSHAW, JOSEPH D
8 Attorney's Docket No.MS1-542US
9 Title: Fast Dynamic Measurement of Connection Bandwidth

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MAY 21 2004

Technology Center 2100

INFORMATION DISCLOSURE STATEMENT

References – See Attached Form PTO-1449

To: Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450


From: Kasey C. Christie (Tel. 509-324-9256; Fax 509-323-8979)
Lee & Hayes, PLLC
421 W. Riverside Avenue, Suite 500
Spokane, WA 99201

The attached form PTO-1449 is submitted in compliance with Applicant's duty of disclosure under 37 CFR §1.56. The Examiner is requested to make these citations of official record in this application.

The Commissioner is hereby authorized to charge payment of fees or credit overpayments to Deposit Account No. 12-0769 as set forth in 37 CFR §1.17(p).

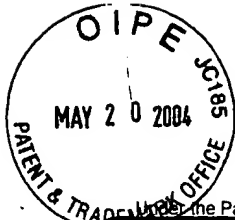
Dated: 5-18-04

By:


Kasey C. Christie
Reg. No. 40,559

05/20/2004 JF/D01 00000046 120769 09636004

01 FC:1806 180.00 DA



2141
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PTO/SB/17 (10-03)
Approved for use through 07/31/2006. OMB 0851-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180.00

Complete if Known

Application Number	09/636,004
Filing Date	Aug 09, 2000
First Named Inventor	del Val
Examiner Name	SHAW, JOSEPH D
Art Unit	2141
Attorney Docket No.	MS1-542US

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METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

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12-0769

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The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

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FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$) 0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims		Extra Claims		Fee from below		Fee Paid	
Independent		-20** =		X		=	0
Multiple Dependent		-3** =		X		=	0

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	180
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 180.00

SUBMITTED BY

Name (Print/Type)	Kasey C. Christie	Registration No. (Attorney/Agent)	40,559	Telephone	(509) 324-9256
Signature		Date	5-18-04		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/636,004	RECEIVED MAY 21 2004 Technology Center 2100
	Filing Date	Aug 09, 2000	
	First Named Inventor	del Val	
	Group Art Unit	2141	
	Examiner Name	SHAW, JOSEPH D	
Total Number of Pages in This Submission		Attorney Docket Number	MS1-542US

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s) Sheets	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): PTO-1449; reference copies (37); return receipt postcard
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<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

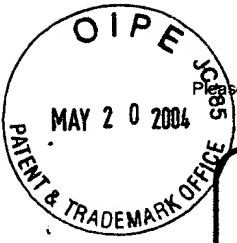
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Kasey C. Christie, Reg. No. 40,559
Signature	
Date	5-18-04

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Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/636,004
				Filing Date	Aug 09, 2000
				First Named Inventor	del Val
				Group Art Unit	2141
				Examiner Name	SHAW, JOSEPH D
				Attorney Docket Number	MS1-542US
Sheet	3	of	4		

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		PAKNIKAR, Shantanu, et al. "A Caching and Streaming Framework for Multimedia," ACM Multimedia 2000, Los Angeles, CA; pp. 13-20.	
		GUO, Katherine, et al. "RCache: Design and Analysis of Scalable, Fault Tolerant Multimedia Stream Caching Schemes," Scalability and Traffic Control in IP Networks, Proceedings of SPIE Vol. 4526, (2001); pp. 68-86.	
		ABOUBAKER, N., et al., "Streaming Media Congestion Control Using Bandwidth Estimation," Lecture Notes in Computer Science, 2002, vol. 2496, pp. 89-100.	
		LIEFOOGHE, P., et al., "An Architecture for Seamless Access to Multicast Content," Proceedings of the 26th Annual IEEE Conference on Local Computer Networks, November 8, 2000, pp. 488-494.	
		BRAUN, T., et al., "Multicast for Small Conferences," Proceedings of the Sixth IEEE Symposium on Computers and Communications, July 3, 2001, pp. 145-150.	
		FLEISCHMAN, E., "WAVE and AVI Codec Registries," Network Working Group Request for Comments: 2361, The Internet Society, June 1998, pp. 1-71.	
		CAMARILLO, G., et al., "Grouping of Media Lines in the Session Description Protocol (SDP)," Network Working Group Request for Comments: 3388, The Internet Society, December 2002, pp. 1-21.	
		HANDLEY, M., et al., "SDP: Session Description Protocol," Network Working Group Request for Comments: 2327, The Internet Society, April 1998, pp. 1-42.	
		"Advanced Systems Format (ASF) Specification," Revision 01.20.01e, Microsoft Corp., September 2003, pp. i-vi and 1-93.	
		SCHULZRINNE, H., et al., "RTP: A Transport Protocol for Real-Time Applications," Network Working Group Request for Comments: 3550, July 2003, pp. 1-104.	
		SCHULZRINNE, H., et al., "Real Time Streaming Protocol (RTSP)," Network Working Group Request for Comments: 2326, The Internet Society (April 1998). pp. 1-92.	

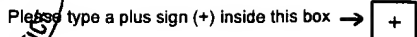
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